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COMBINED DECLARATION AND POWER OF ATTORNEY
(Original Design, National Stage of PCT
or CIP Application)

ATTORNEY'S DOCKET NO.
31834

As a below named inventor I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPROVED MICROBIO SENSOR

the specification of which: (complete (a), (b) or (c) for type of application)

REGULAR OR DESIGN APPLICATION

(a) ☐ is attached hereto.

(b) ☒ was filed on November 21, 2001 as Application Serial No. 09/990,514 and was amended on _____ (if any)

PCT FILED APPLICATION ENTERING NATIONAL PHASE

(c) ☐ was described and claimed in International Application No. _____ filed _____ and as amended on _____ (if any).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a).

☐ In compliance with this duty there is attached an information disclosure statement. 37 CFR 1.97.

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

(complete (d) or (e))

(d) ☒ no such applications have been filed.

(e) ☐ such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS PRIOR TO SAID APPLICATION

Country	Application No.	Date of Filing	Date of Issue	Priority Claimed
				<input type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS PRIOR TO SAID APPLICATION

PROVISIONAL

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States application(s) listed below
Application Series

Filing Date

Status (patented, pending, abandoned)

CONTINUATION-IN-PART

(Complete This Part Only If This Is A Continuation-In-Part Application)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a), which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application:

Filing Date

Status (patented, pending, abandoned)

Application Series

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Robert D. Hovey	19,223	Scott R. Brown	40,535
Warren N. Williams	19,156	Tracy L. Bornman	42,347
Stephen D. Timmons	26,513	Tracey S. Truitt	43,205
John M. Collins	26,262	David V. Ayres	46,529
Thomas H. Van Hoozer	32,761	Gerhard Shipley	45,682
Thomas B. Luebbering	37,874	Kameron K. Kelly	44,181
Andrew G. Colombo	40,565	Gregory J. Skoch	48,267
		David L. Terrell, Patent Agent P50,576	

SEND CORRESPONDENCE TO:
HOVEY WILLIAMS LLP
2405 Grand, Suite 400
Kansas City, Missouri 64108

DIRECT TELEPHONE CALLS TO:

(816) 474-9050

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	GEORGE S. WILSON		
Inventor's Signature	<i>George S. Wilson</i>		
Date	<i>5 March 2002</i>	Country of Citizenship	U.S.A.
Residence	625 N. 750 Road, Lawrence, Kansas 66047		
Post Office Address	625 N. 750 Road, Lawrence, Kansas 66047		
Full name of second joint inventor, if any	XIAOHONG CHEN		
Inventor's Signature	<i>Xiaohong Chen</i>		
Date	<i>Mar. 5, 2002</i>	Country of Citizenship	China
Residence	9 Stouffer Place, #7, Lawrence, Kansas 66044		
Post Office Address	9 Stouffer Place, #7, Lawrence, Kansas 66044		
Full name of third joint inventor, if any	NORIO MATSUMOTO		

Inventor's Signature	
Date	Country of Citizenship Japan
Residence 1-19-1-509 Koganehara, Matsudo Chiba 270-0021, Japan	
Post Office Address 1-19-1-509 Koganehara, Matsudo Chiba 270-0021, Japan	
Full name of fourth inventor, if any YIBAI HU	
Inventor's Signature <i>Yibai Hu</i>	
Date 5 March, 2002 ^{Y.H.}	Country of Citizenship China
Residence 1108 Somerset Court, Lawrence, Kansas 66049	
Post Office Address 1108 Somerset Court, Lawrence, Kansas 66049	

Subscribed and Sworn to me this 5th day of March, 2002.
 My Commission expires September 13, 2005.



Susan M. McAfee
 Susan M. McAfee

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Inventor's Signature <i>Yibai Hu</i>	
Date <i>Feb 18 / 2002</i>	Country of Citizenship Japan
Residence 1-19-1-509 Koganehara, Matsudo Chiba 270-0021, Japan	
Post Office Address 1-19-1-509 Koganehara, Matsudo Chiba 270-0021, Japan	
Full name of fourth inventor, if any YIBAI HU	
Inventor's Signature	
Date	Country of Citizenship China
Residence 1108 Somerset Court, Lawrence, Kansas 66049	
Post Office Address 1108 Somerset Court, Lawrence, Kansas 66049	



Serial No.: 09/990,514
Attorney Docket No.: 506274-0014

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors : George S. Wilson et al.
Serial No. : 09/990,514
Filing Date : November 21, 2001
Title : IMPROVED MICROBIOSensor

Art Unit : 1742
Examiner : William T. Leader

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT UNDER 37 C.F.R. § 3.73(b) –
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

Assignee, a University created and existing under and by virtue of the laws of the State of Kansas, states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ The assignment recorded in the Patent and Trademark Office on April 22, 2002, Reel 012820/Frame 0984, for which a copy thereof is attached.

AND/OR

- B. ☐ A chain of title from the inventors, of the patent application identified above, to the current assignee as shown below.
- ☐ Copies of assignments or other documents in the chain of title are attached.

Certificate of Mailing Under 37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

Date: June 14, 2004
Signature: Mary E. Menard
Printed Name: Mary E. Menard

The Director is hereby authorized to charge any additional amount required, or credit any overpayment, to Deposit Account No. 19-4409.

- ☒ Assignment recorded in the Patent and Trademark Office on April 22, 2002, Reel 012820, Frame 0984.
- ☐ Enclosed herewith:
- ☐ Assignment filed for recordation in the Patent and Trademark Office on [Date].
The Notice of Recordation has not yet been received.

ASSIGNEE STATEMENT

Attached to this power is a "STATEMENT UNDER 37 C.F.R. § 3.73(b)."

Signed this 3rd day of June, 2004.

The University of Kansas

By:

Title:

James P. R. [Signature]
GENERAL COUNSEL



UNITED STATES
PATENT AND
TRADEMARK OFFICE



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JUL 02 2002

JUNE 24, 2002

PTAS

HOVEY WILLIAMS LLP
GREGORY J. SKOCH
2405 GRAND BOULEVARD
SUITE 400
KANSAS CITY, MO 64108-2519

HOVEY WILLIAMS LLP

Chief Information Officer
Washington, DC 20231
www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/22/2002

REEL/FRAME: 012820/0984
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

WILSON, GEORGE S.

DOC DATE: 03/05/2002

ASSIGNOR:

CHEN, XIAOHONG

DOC DATE: 03/05/2002

ASSIGNOR:

MATSUMOTO, NORIO

DOC DATE: 03/05/2002

ASSIGNOR:

HU, YIBAI

DOC DATE: 03/05/2002

ASSIGNEE:

UNIVERSITY OF KANSAS
STRONG HALL
LAWRENCE, KANSAS 66045

SERIAL NUMBER: 09990514
PATENT NUMBER:

FILING DATE: 11/21/2001
ISSUE DATE:

ALECTO

JUL 02 2002

ENTERED BY *gns*

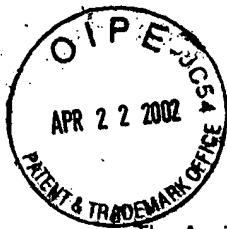
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012820/0984 PAGE 2

LAZENA MARTIN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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04-29-2002



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8/18

The Assistant Commissioner of Patents
Washington, D.C. 20231
Attention: Assignment Branch

4.22.02

Please record the attached original document or copy thereof.

1. Name of Conveying Party(ies):

GEORGE S. WILSON
XIAOHONG CHEN
NORIO MATSUMOTO
YIBAI HU

2. Name and address of Receiving Party(ies):

UNIVERSITY OF KANSAS
Strong Hall, Lawrence, Kansas 66045

3. Nature of Conveyance:

☒ Assignment ☐ Security Agreement ☐ Merger
☐ License ☐ Change of Name ☐ Other

Execution Date of Document: March 5, 2002

4. If this document is being filed together with a new application, the execution date of the application is ____

A. Patent Application Numbers:

B. Patent Numbers:

09/990,514

5. Mail correspondence concerning the document to:

Gregory J. Skoch
HOVEY WILLIAMS LLP
2405 Grand Boulevard
Suite 400
Kansas City, MO 64108-2519

6. Total Number of Applications and Patents Involved: 1.

7. A check for the total fee (37 CFR 3.41) is enclosed: \$40.00.

8. The Commissioner is hereby authorized to charge any additional fees required for recordation of the enclosed document, or credit any overpayment, to Deposit Account No. 19-0522.

9. To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Respectfully submitted,

04/26/2002 BTOM11 00000009 09990514

01 FC:581

40.00 DP

Gregory J. Skoch, Reg. No. 48,267

Date April 11, 2002

Total number of pages, including cover sheet and document 56

(Docket No. 31834)

ASSIGNMENT

WHEREAS, WE, GEORGE S. WILSON of 625 N. 750 Road, Lawrence, Kansas 66047, XIAOHONG CHEN of 9 Stouffer Place, #7, Lawrence, Kansas 66044, NORIO MATSUMOTO of 1-19-1-509 Koganehara, Matsudo Chiba 270-0021, Japan, and YIBAI HU of 1108 Somerset Court, Lawrence, Kansas, 66049, have jointly invented certain new and useful improvements in

IMPROVED MICROBIO SENSOR

for which we are about to make application for Letters Patent of the United States; and

WHEREAS, UNIVERSITY OF KANSAS, a Corporation duly organized under the laws of the State of Kansas, and having its principal place of business at Strong Hall, Lawrence, Kansas, 66045, is desirous of acquiring an interest in, to and under said invention, said application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto.

NOW, THEREFORE, to all whom it may concern be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, GEORGE S. WILSON, XIAOHONG CHEN, NORIO MATSUMOTO, and YIBAI HU, as co-inventors, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said UNIVERSITY OF KANSAS, the full and exclusive right, title and interest, throughout the world, in, to and under the following:

- (a) said invention as fully set forth and described in the specification prepared, and executed by each of such as co-inventors on even date herewith preparatory to obtaining Letters Patent of the United States therefor;
- (b) said application;
- (c) any and all refilings, divisions, and continuations of said application;

(d) any and all Letters Patent of the United States of America which may issue from said application, refilings, division and continuations;

(e) any and all reissues of said Letters Patent of the United States of America;

(f) any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America;

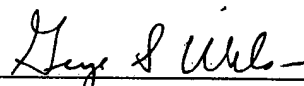
(g) any and all refilings, divisions and continuations of said foreign-filed applications;

(h) any and all Letters Patent of countries foreign to the United States of America which may issue from the said foreign-filed applications, refilings, divisions and continuations; and

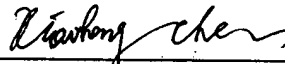
(i) any and all extension of, and additions to, said Letters Patent of countries foreign to the United States of America.

ALL of the above shall be held and enjoyed by said UNIVERSITY OF KANSAS for its own use and behoof, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent in accordance with this Assignment.

Executed this 5th day of March, 2002



GEORGE S. WILSON



CHEN XIAOHONG



YIBAI HU

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EXECUTED this 5th day of March, 2002.



XIAOHONG CHEN

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EXECUTED this ____ day of _____, ____

Norio Matsumoto
NORIO MATSUMOTO

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STATE OF Kansas)
) SS.
COUNTY OF Douglas)

On this 5th day of March, 2002, before me personally appeared GEORGE S. WILSON, NORIO MATSUMOTO and YIBAI HU, to me known to be the persons described in and who executed the foregoing instrument, and they duly acknowledged to me that they executed the same for the uses and purposes therein set forth.

Susan M. McAfee
Notary Public

My Commission Expires:

September 13, 2005

